

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A stack, comprising:

an impermeable metal structure,

at least one first metal fiber layer, and

at least one second metal fiber layer,

~~said impermeable metal structure being sintered to one side of said first metal fiber fibers layer being sintered to a first side of said impermeable metal structure,~~
~~said second metal fibers fiber layer being sintered to another the other side of said first metal fiber fibers layer opposite to the impermeable metal structure,~~
wherein a characterized in that the planar air permeability of said stack is [[being]] more than 0.02 l/min*cm,
wherein a [[the]] porosity of said second metal fiber layer is [[being]] less than 80%.

2. (Currently Amended) A stack as in claim 1, said stack further comprising another first metal fiber layer sintered to a second side of said impermeable metal structure and another second metal fiber layer sintered to the another first metal fiber layer on a side opposite to the impermeable metal structure two first metal fiber layers and two second metal fiber layers;
said first metal fiber layers being sintered each to one side of the impermeable metal structure, said second metal fiber layers being sintered to the other sides of said first metal fiber layers.

3. (Currently Amended) A stack as in claim 1, said first metal fiber layer layers having a porosity of more than 80%.

4. (Currently Amended) A stack as in claim 1, said second metal fiber layer layers having a perpendicular air permeability of less than 200 l/min*dm².

5. (Currently Amended) A stack as in claim 1, said first metal fiber layer layers comprising fibers with equivalent diameter of more than 20μm.

6. (Currently Amended) A stack as in claim 1, said second metal fiber layer fibers layers comprising fibers with equivalent diameter of less than $30\mu\text{m}$.
7. (Currently Amended) A stack as in claim 1, said first metal fiber layer layers having a thickness of more than 0.5mm.
8. (Currently Amended) A stack as in claim 1, said second metal fiber layer layers having a thickness of less than 0.2mm.
9. (Previously Presented) A stack as in claim 1, said stack having a transversal electric resistance less than $30*10^3$ Ohm.
10. (Previously Presented) A stack as in claim 1, said impermeable metal structure being a metal plate.
11. (Previously Presented) A stack as in claim 1, said impermeable metal structure being a metal foil.
12. (Currently Amended) A stack as in claim 1, wherein metal fibers of the first and second metal fiber layers are said metal fibers being stainless steel fibers.
13. (Currently Amended) A stack as in claim 1, wherein metal fibers of the first and second metal fiber layers are said metal fibers being Ni-fibers or Ni alloy fibers.
14. (Currently Amended) A stack as in claim 1, wherein metal fibers of the first and second metal fiber layers are said metal fibers being Ti-fibers.
15. (Currently Amended) A stack as in claim 1, wherein metal fibers of the first and second metal fiber layers are a said metal fibers having the same alloy of said impermeable metal structure.
16. (Currently Amended) A fuel cell, comprising a plurality of stacks as in claim 1.
17. (Currently Amended) An electrolyser, comprising a plurality of stacks as in claim 1.
18. (Canceled)

19. (New) A stack as in claim 1, wherein a porosity of the first metal fiber layer is greater than the porosity of the second metal fiber layer.
20. (New) A stack as in claim 19, wherein the porosity of the first metal fiber layer is more than 10% greater than the porosity of the second metal fiber layer.